A SYSTEM AND METHOD FOR PREDICTING EXECUTION TIME OF A DATABASE UTILITY COMMAND

ABSTRACT OF THE DISCLOSURE

The invention relates to a system and method for predicting the elapsed time required to execute a database utility command. A base of historical data is maintained containing information relating to the elapsed time required for previous database utility commands to execute. The elapsed time for a database utility command provides a consolidated measurement of all factors that affect processing time, including amount and type of data stored as well as changes within the computer system environment. Upper and lower control limits are calculated using statistical process control techniques to predict database utility command execution times. The technique may be used to validate and/or edit database utility command files containing multiple database utility commands, based upon whether the commands contained within are likely to fully execute within a specified batch window.